

CLASSIFICATION SECRET

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT NO. [REDACTED]

CD NO. 25X1A

COUNTRY Czechoslovakia

DATE DISTR. 8 November 1950

SUBJECT Development Section of Metra
National Corporation

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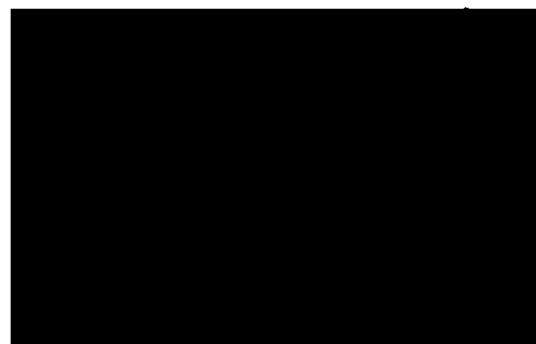
SUPPLEMENT TO
REPORT NO.

25X1X

SECRET

1. Attached for your information is a raw report on Metra National Corporation in Nova Paka indicating research which Metra is conducting toward the development of a new type of electronic indicator. The language of this report is very confused.
2. Please return at your convenience.

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RESEARCH

Development Deptn. of METRA, Met. Corp., Nova Paka.
 (Information from July 1950)

Situation:

The development deptn. for the whole concern METRA, Met.Corp. (present place of management: Brno) has been installed by the workshop METRA in Nova Paka in the begining of 1946. The management of the whole concern and the central development deptn., according to the new planning, will be transferred to Praha in autumn 1950.

Head of the development deptn. in Nova Paka:

Ko k r l e Jana, Czech, 27 years old, little figure, slim, dark blond hair, smokes. Communist for exist. reasons.

Deputy:

J u d i t h (?), Czech, 27 years old, little strong figure, dark wavy hair, Anti-Communist.

Number of empl.: 7 - 8 in total

Researching works:

1946 - 1949

Adherence of the core of movable systems by use of Araldit.
Working operation: The wire wound on the form (the same shape as the core) after impregnating with Araldit (artificial cement) and after taking off the form will be inserted in the electric furnace, where takes place the heating, lasting about 1 hour by a temperature of 200°C. The cement becomes hard to a compact substance as Saklit.
Advantage against the former praxis - (adherence with shellac)
 The new coil can be put on the core without changing the whole system in case of its burning. Araldit is a better insulator as shellac, which is not to be had in Czechoslovakia.
Note: The mass-production of this system started in autumn 1949.

1949 - 1950

Electronic indicators.
 The basis of the electronic indicator makes a system with movable coil. The metal vane fitted on the scale influences the oscillatory circuit of the tube. The stopping of the oscillations and the changing of the anode current in the tube takes place in the moment of the interfering with the oscillatory circuit. The relay switch on or put out of circuit the prime motor at the same time. Any kind of tube can be used, they experimented with BE 22. Frequency about 70 - 80 Mc. The results are excellent, the testing practically finished and the mass-production can be started immediately after patenting this instrument.

Future projects:

The present manager of METRA workshop Nova Paka: J. n. k. t. o.
 The workshop employs about 300 employees, produces: thermic indicators, steam meters (clermometers), pressure indicators, gas-meters etc.
Export: mostly to USSR and Soviet Satellites.
Planning: manufacture of the new electronic indicator will be started in the next future in several workshops of METRA.

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